

AMENDMENT TO THE SPECIFICATION

Please replace the paragraph beginning at Page 12, Line 16 and ending at Page 13, Line 10:

A memory 8 is coupled to calculation circuitry 6 and contains a plurality of user queries related to battery condition and a plurality of query relationships which relate to a response from a user to one or more queries and to the measurement output from the measurement circuitry 2. A query is provided to a user through query output 9 as explained in greater detail below. A query response is received from the user through query response input 13 and provided to calculation circuitry 6. Based upon the relationship stored in memory 8, the query response, and the measurement output 4, calculation circuitry 6 determines a battery condition. This condition is based upon at least one of the plurality of query relationships stored in memory 8. The query relationships can be in the form of a decision tree which identifies a particular battery type based upon the query response(s). The battery condition can also be a function of an optional battery rating received through an input, for example the same input 13 used to receive the query response. Calculation circuitry 6 provides a battery condition output 11. The output 11 can be output to other circuitry or displayed locally, for example on output 9.